Willies Localized D Attempt Date Souting Morting Longitude Latitude Penetralics Localized D Attempt Date Souting Morting Longitude Latitude Penetralics (Fig. 6 (Fixed 1) (Fixed	Sample Interval Sample Start Surple Start Su	Sample Type Excessition Full suite* Suite* Geotech* Archive Triggers	Tor 3 Posting Malanaie	Proposed Tirs 3 Testing Enforced:
4 3/26/2019 1267792 212838 122'20'34.8'W 47'34'24.9'N 1.5 1.4 93 Y 4 4 5 5 3/26/2019 1267792 212871 122'20'34.8'W 47'34'24.8'N 2.0 2.0 100 N N	1.1 0 1 0 to 1 0.1 to -0.9 0.1 -0.9 TZ5-5C01A-0-1 Silt with sand, sand with ilt, grading to gravel	x x x	No further testing because neither core reached the Ziayer, Neerby historical surface sediment and core data can be used for excavation material characteriastion.	Not applicable
SC02 2 3/25/2019 1267668 212812 122°20′36.6°W 47°34′24.2°M 7.5 7.0 93 Y -7.	0 4.5 0164.6 2.716.7.3 2.7 7.3 173.5C.02.04.6.	x	The Excevation Suite ² was analyzed in a 0 -4.6 R composite sample to characterize material that will be excavated for waste disposal (see IDW worksheet for results). Testing of smaller intervals was not conducted because it will be removed during construction. The full suite of analyses were conducted on the Ziayer (4.5 - 5.5 feet). Ro further testing because the Ziayer was tested and only one compound was slightly over the SMS SCO (a canaphthene at 1.8 mg/kg OC), as agreed to with EBA during the June 11, 2019 meeting.	Not applicable
SC03 1 3/24/2019 1267651 212756 122*20'36.8"W 47*34'23.6"N 8.0 6.8 85 Y -6	0 1.7 0 to 5.7 0.6 to 5.1 0.5 1.1 725 503 -0.5.7 Multiple intervals, reference covering 0 1.7 2.7 1.7 to 2.7 1.7 to 2.7 1.1 to 2.1 1.1 1.2 1.1 725 503 -0.1.7 Very wet Sit with sand 1.3 1.7 2.7 1.7 to 2.7 1.1 to 2.1 1.1 1.2 1.1 725 503 3.7 2.7 5 Sand with silt 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	- X ⁴ X X X X X X X X D X ⁶ X	The Excavation Suite ³ was analyzed in a 0 - 5.7 ft composite sample to characterize material that will be excavated for waste disposal (see EDW worksheet for results). Testing of smaller intervals was not conducted because it will be removed during construction. The core did not reach the 2/a yer and the deepest sample interval was tested, which was below SMS (125-5003-5.7-6.2). Upper-most poorly graded and interval will be tested for full suite of SMS analyses to refine vertical extent of contamination.	The next interval down will be tested for parameters that exceeded SMS screening levels (SVOCs, IZ,4-dimethylphenoll, PAHs, PCBs, TS, TOC).
5C-04 1 3/24/2019 1267598 212503 122°20'37.6"W 47°34'22.1"N 7.9 7.2 91 Y -5	0 1 0 0 4.0 1.7 to 5.7 1.7 2.7 17.5 500.0 4* Slit with sand, sity sand 0 to 1 1.7 to 2.7 1.7 2.7 17.5 500.0 4* Slit with sand, sity sand 1 2 1 to 2 2.7 to 3.7 2.7 3.7 17.5 500.0 4.0 Slit with sand 1 2 1 to 3 2.7 to 3.7 2.7 3.7 17.5 500.0 4.0 Slit with sand 2 3 2 to 3 3.7 to 4.7 3.7 4.7 17.5 500.0 4.0 Slit sand 3 4 3 to 4 4.7 to 5.7 4.7 5.7 17.5 500.0 4.5 Slit sand 4 5 4 to 5 5.7 to 6.7 5.7 4.7 17.5 500.0 4.5 Poorty graded sand 5 5 5 5 5 to 6 6.7 to 7.7 5.7 7.7 17.5 500.0 4.5 Poorty graded sand 5 5.5 \$ 5 5.5 \$ 5.5 5.6 \$ 7.7 7.7 18.7 17.7 17.7 17.7 18.7 17.7 17	-	The Excavellion Suite was analyzed in a 0 - 4.0 ft composite sample to characterize meterial that will be excaveled for waste disposal (see EDW worksheet for results). Testing of smaller intervals was not conducted because it will be removed during construction. The full suite of analyses were conducted on the Z-layer (4.0 - 5.0 feet). The Z-layer was tested and had SMS exceedances. The next interval down will be tested for the parameters that exceeded SMS screening levels (mercury, SVOCs [2,2,4-frichlorobenzene], PCBs, DFs, TS, TOC).	The next interval down will be tested for parameters that exceeded SMS screening levels (PAHs, PCBs, DFs, TS, T CC).
5C05 3 3/26/2019 1267419 212412 122*20*40.1"W 47*34*20.2*N 2.0 2.0 100 Y -10	0.3 0 1 0 to 1 -13 to -14 -13 -14 -15 -15 5:05 0-1 Silty sand	x - x	The elevation of this core was deeper than the design subgrade; however for RI characterization purposes, the next interval down will be tested for the parameters that exceeded SMS screening levels (PCBs, TS, TOC).	No more sample due to difficulty coring at this location. Refusal was hit at 2 feet due to hard surface (rock, gravel).
SC-06 1 3/26/2019 1267526 212519 122°20'38.6"W 47°34'21.3"N 4.0 3.4 85 Y -7	0 1 0to1 dto-7 d 7 125-5008-0-1 Sity-sand 7 125-508-0-1 T25-508-0-1 Sity-sand 1.5 1 to1.5 7-to-7.5 7 7.5 T25-508-0-1.5 Poorty-graded-sand 1.5 2.5 1.5 to2.5 7.5 4.5 T25-508-0-1.5 Organic (wood then) 2.5 3.3 2.5 to3.3 4.5 to 9.3 4.5 9.3 125-508-0-1.5 Organic (wood then)	X X - X - X - X - X C	This core was just inside the excavetion boundary. The sample intervel that contains the Z-layer (-7.7 feet MLLW) will be tested for the parameters that exceeded 3MS screening levels in the Q-1 ft interval (SVCCs (BEF, chrysene), PCBs, DFs, TS, TOC).	The next interval down will be tested for parameters that exceeded SMS screening levels (SVOCs, PANs, PCBs, DFs, TS, TOC).

								PS NAA	0	1 0 to 1 -21 to -22 -21 -22 T25-3	5-SC07-0-1 SC57-0-1 (FD)	Silt	х -		This core is subtide the excavation boundary and was collected Gr 81 characterization. Anthropogenic debris was found at 3.5 ft, so the first sample in the next lithing clayer, 72.5 CC7.5 do, was selected or testing. Testing will include the parameters that exceeded SMS screening levels in the 0.1 Rinterval (PC8), DF1, TS, TOC). The next iterwal down will be tested for parameters that exceeded SMS screening levels (increase, SPCB), DF3, TS, TOC), Shall over interval swill in the tested because the lithing grand core observed one concentrations. Added PAHs based on FPA feedback, because concentrations of PCBs and DFs were higher in the subsurface interval. X 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5										
							7,4 78		1	2 1 to 2 -22 to -23 -22 -23 T25	5-SC07-1-2	Silt		X X											
5C-07	1 3/25/20	1267572	212704	4 122,50,38.0,	'W 47°34'23.1'N	9.5 7			2	3 2 to 3 -23 to -24 -23 -24 725 4 3 to 4 -24 to -25 -24 -25 725	5-SC07-2-3	Silt		X											
1 1 1	1								3	4 3 to 4 -24 to -25 -24 -25 T25	5-5007-3-4	Silt		- x											
1 1									4	5 4 to 5 -25 to -26 -25 -26 T25	5-5007-4-5	Silt		- x											
1 1 1									5	5 5 to 5 -25 to -27 -25 -27 :23	3802766	Silt with decomposed organics		- X X											
									5	7 6 to 7 -27 to -28 -27 -28 -2:	5-SC07-6-7	Silt with decomposed organics		X 6											
									0	1 0 to 1 -22.5 to -23.5 -22.5 -23.5 T25	5-SC08-0-1	Silt	х -		core is outside the exceretion boundary and was collected for 80 characterisation. The entire core is silt, and hydrocarbon-like odor was observed at 6 ft. The first interval below the color, 725-5008-7-8, was selected for testing, Testing will be include the parameters that exceeded \$M5 screening levels in the 0-1 ft interval. The next interval and int										
								I M RM	1	2 1 to 2 -23.5 to -24.5 -23.5 -24.5 T25	5-SC08-1-2	Silt		- x											
1 1	- 1	5/2019 1267625							2	3 2 to 3 -24.5 to -25.5 -24.5 -25.5 T25	5-SC08-2-3	Silt		- x											
SC.08 1 2/0									3	4 3 to 4 -25.5 to -26.5 -25.5 -26.5 725	5-5008-3-4	Silt		- x											
	1 3/25/201		212882	2 122520137.3"	'W 47"34'24.9"N	12.0 10	10.5 88		4	5 4 to 5 -26.5 to -27.5 -26.5 -27.5 125	5-SC08-4-5	Silt		- x		The next interval down will be tested for parameters that exceeded SMS screening levels (SMCs, PAHs, PCBs, DFs, TS, TOC). Shallower intervals will not be tested because the lithology and core observations suggest they would have elevated concentrations.									
	- 1,,																				.	5	5 5 to 6 -27.5 to -28.5 -27.5 -28.5 T25	to 6 27.5 to 28.5 27.5 28.5	67
1 1									5	7 6 to 7 -28.5 to -29.5 -28.5 -29.5 725	5-SC08-6-7	Silt		X											
	- 1								7	8 7 to 8 -29.5 to -30.5 -29.5 -30.5	9 54000 9 48	Site X <													
									8	9 8 to 9 -30.5 to -51.5 -50.5 -31.5 125	6-8-8032-2	Silt													
									9	10 9 to 10 -31.5 to -32.5 -31.5 -32.5 T25	-5C08-9-10	Silt		- X Y											
	el 2/24/20	1267770	217900	122120125 6	'W 47°34'25.1"N	2.7 1	15 56	N NA	0	1 0 to 1 -30.9 to -31.9 -30.9 -31.9 T25	5-5009-0-1	Silt		- x											
	3/24/20.	1207733	212033	122 20 33.0	W 47 34 25.1 W	2.7	1.5		1	1.5 1 to 1.5 -31.9 to -32.4 -31.9 -32.4 T25	-SC09-1-1.5	Silt		- x											
									0	1 0 to 1 -13.8 to -14.8 -13.8 -14.8 T25	-SC09B-0-1	Silt	х		This core is outside the excavation boundary and was collected for Richaracterization. The entire core is sit. Because of the similar lithology, 725 SC096-2-3, was selected for testing. Testing will include the parameters that exceeded SMS screening levels (mercury, PAHs, 75, 70C). Additionally, PCBs will be analyzed to the similar lithology, 725 SC096-2-3, was selected for parameters that exceeded SMS screening levels in the 0.1 ft interval down will be tested for parameters that exceeded SMS screening levels in the 0.1 ft interval down will be analyzed.										
SC-G9 ^f	- 1							8 N NA		T25	-SC09B-1-2					The next interval down will be tested for parameters that exceeded SMS screening levels (mercury, PAHs, TS, TOC). Additionally, PCBs will be analyzed to confirm that concentrations are below SMS.									
	6 3/26/20:	26/2019 1267749	212874	4 122" 20" 35.4"	'W 47"34'24.8"N	5.0 4	4.4 88		N NA	1 1	2 1 to 2 -14.8 to -15.8 -14.8 -15.8 T25-50														
1 1									2	3 2 to 3 -15.8 to -16.8 -15.8 -16.8 -13.5	80996-2-0	Silt		- X X											
									3	4 3 to 4 -16.8 to -17.8 -16.8 -17.8 (2)	-5C059-3-4	Silt		- x c	7										

Comment:
This interval hits design subgrade
Reply:
I think we should do the next interval.

Cell: 029
Comment: [fire a ded comment]
Your version of Excel allows you to read this threaded comment; however, any edits to it will get removed if the file is opened in a newer version of Excel. Learn more: https://go.microsoft.com/fiv/in/id-e70924

Comment: shallowest sample is below subgrade? speaks to poor bathy or changes since last survey

Tier 2

Elevation Start (ft MLLW)	Elevation End (ft MLLW)	Sample ID	Sample Archive Testing Parameters
-3.1	-4.1	T25-SC03-3.7-4.7	Metals, mercury, SMS SVOCs, PCBs, DFs, TS, TOC.
-6.7	-7.7	T25-SC04-5-6	Mercury, SMS SVOCs, PCBs, DFs, TS, TOC.
-14	-15	T25-SC05-1-2	PCBs, TS, TOC.
-7.5	-8.5	T25-SC06-1.5-2.5	SMS SVOCs, PCBs, DFs, TS, TOC.
-26	-27	T25-SC07-5-6	PCBs, DFs, TS, TOC.
-29.5	-30.5	T25-SC08-7-8	SMS SVOCs, PCBs, DFs, TS, TOC.
-15.8	-16.8	T25-SC09B-2-3	Mercury, SMS SVOCs, DFs, TS, TOC.
		T25-SB03-14.2-16.2	PCBs, TS

Tier 3

Sample ID	Sample Archive Testing Parameters
T25-SC03-4.7-5.7	SMS SVOCs, PCBs,TS, TOC.
T25-SC04-6-6.7	PAHs, PCBs, DFs, TS, TOC.
T25-SC06-2.5-3.3	SMS SVOCs, PCBs, DFs, TS, TOC.
T25-SC07-5-6	PAHs
T25-SC07-6-7	Mercury, SMS SVOCs, PCBs, DFs, TS, TOC.
T25-SC08-8-9	SMS SVOCs, PCBs, DFs, TS, TOC.
T25-SC09B-3-4	Mercury, PAHs, PCBs, TS, TOC.

^{*}Use tests allowed in the Master Service Agreement
**Invoice line items have to match the MSA